AMENDMENTS TO THE CLAIMS

Please amend claims 1, 18 and 32-35 for clarity as set forth below, without acquiescence in the Office Action's reasons for rejection or prejudice to pursue in a related application. No new matter has been added. A complete listing of the pending claims is provided below.

Claim 1 (Currently Amended): A computer-implemented method for performing a rolling upgrade in a computing system in which multiple members execute a computer application based at least in part upon a first version of a shared file, comprising:

using a processor for:

creating a second version of the shared file;

bringing down a first member, wherein a second member is not brought down while the first member is down~~, wherein the first member and the second member are located on a same node of the computing system~~;

~~using a processor to generate~~ generating a private symbolic link for the first member to reference the second version of the shared file, the private symbolic link comprising link criteria that designates that the first member of a group is authorized to use the private symbolic link such that the private symbolic link does not provide a universally visible symbolic link so that the private symbolic link is not visible to the second member of the group, wherein the first member and second member access different versions of the shared file based at least in part upon the private symbolic link during ~~is used to perform~~ the rolling upgrade in the computing system;

bringing up the first member so that the first member references the second version of the shared file~~, wherein the first and second members are upgraded in a staggered manner~~; and

storing the private symbolic link in a volatile or non-volatile computer usable medium or displaying the private symbolic link on a display device.

Claim 2 (Original): The method of claim 1 further comprising:

bringing down the second member, wherein the first member is not brought down while the second member is down;

creating a second private symbolic link for the second member to reference the second version of the shared file; and

bringing up the second member.

Claim 3 (Original): The method of claim 2 in which the private symbolic link and the second symbolic link are the same, and wherein both the first and second members are members of the group associated with the private symbolic link.

Claim 4 (Original): The method of claim 2 further comprising removing the first version of the shared file.

Claim 5 (Original): The method of claim 2 in which the private symbolic link for the first member references a first private copy of the second version of the shared file and the second

private symbolic link for the second member references a second private copy of the second version of the shared file.

Claim 6 (Original): The method of claim 2 in which the private symbolic link for the first member and the second private symbolic link for the second member references the same copy of the second version of the shared file.

Claim 7 (Original): The method of claim 1 further comprising:

bringing down the second member, wherein the first member is not brought down while the second member is down;

creating a second private symbolic link for the second member to reference a third version of the shared file; and

bringing up the second member so that the second member references the third version of the shared file, wherein both the first member and the second member simultaneously operate different versions in the computing system.

Claim 8 (Original): The method of claim 1 in which one or more copies exist for each version of the computer application.

Claim 9 (Original): The method of claim 1 in which the private symbolic link comprises a property that identifies a link criteria.

Claim 10 (Original): The method of claim 9 in which the link criteria comprises a member identifier.

Claim 11 (Original): The method of claim 1 further comprising:

creating a direct object reference for the first member to the second version of the shared file.

Claim 12 (Original): The method of claim 11 in which the direct object reference is automatically created by removing the private symbolic link.

Claim 13 (Original): The method of claim 1 further comprising:

creating a third version of the shared file.

bringing down the second member, wherein the first member is not brought down while the second member is down;

creating a second private symbolic link for the second member to reference the third version of the shared file; and

bringing up the second member.

Claim 14 (Original): The method of claim 1 in which the act of creating the second version of the shared file comprises:

copying the shared file; and

patching the shared file to create the second version.

Claim 15 (Original): The method of claim 1 in which the private symbolic link is private to a member.

Claim 16 (Original): The method of claim 1 in which the act of bringing down the first member comprises:

shutting down a computer application at a node associated with the first member.

Claim 17 (Original): The method of claim 1 in which the first member still executes the first version of the computer application concurrently with the second member executing the new version of the computer application.

Claim 18 (Currently Amended): A computer implemented method for redirecting a reference from an entity to one or more shared files, comprising:

creating a first version of a shared file;

creating a second version of a shared file;

creating a first private symbolic link to reference the first version of the shared file, the first private symbolic link comprising link criteria that designates that members in a first group are authorized to use the first private symbolic link such that the first private symbolic link does not provide a universally visible symbolic link so that the first private symbolic link is not visible to members of a second group, wherein the members of the second group can not access the first version of the shared file by utilizing the first private symbolic link during ~~is used to perform~~ a rolling upgrade in a computing system~~, wherein the authorized members in the first group are upgraded in a first staggered manner~~;

creating a second private symbolic link to reference the second version of the shared file, the second private symbolic link only applying to the members of [[a]] the second group associated with the second private symbolic link such that the second private symbolic link does not provide the universally visible symbolic link so that the second private symbolic link is not visible to the members of the first group, wherein the members of the first group can not access the second version of the shared file by utilizing the second private symbolic link during ~~is used to perform~~ the rolling upgrade in the computing system~~, wherein the authorized members in the second group to be upgraded in a second staggered manner~~; and

storing the first private symbolic link and/or the second private symbolic link in a volatile or non-volatile computer usable medium or displaying the first private symbolic link and/or the second private symbolic link on a display device.

Claim 19 (Original): The method of claim 18 in which the first and second versions of the shared file are web pages.

Claim 20 (Original): The method of claim 19 in which members of a first group are entities operating a first browser application and members of the second group are entities operating a second browser application.

Claim 21 (Original): The method of claim 18 in which the first symbolic link has a link criteria that defines the membership of the members of the first group associated with the first symbolic link.

Claim 22 (Original): The method of claim 21 in which the link criteria identifies a member to create a member private symbolic link.

Claim 23 (Original): The method of claim 21 in which the link criteria identifies an application version number.

Claim 24 (Original): The method of claim 21 in which the first group comprises multiple entities as members.

Claim 25 (Original): The method of claim 21 in which the first symbolic link provides a reference for a specific pathname.

Claim 26 (Original): The method of claim 21 in which the first symbolic link provides a reference for a directory.

Claim 27 (Previously Presented): The method of claim 18 in which the first private symbolic link references a first private copy of the first version of the shared file and the second private symbolic link references a second private copy of the second version of the shared file.

Claim 28 (Previously Presented): The method of claim 18 wherein both the members of the first group and members of the second group simultaneously operate different versions of the one or more shared files.

Claim 29 (Original): The method of claim 18 in which one or more copies exist for each version of the one or more shared files.

Claim 30 (Original): The method of claim 18 further comprising:

creating a direct object reference for the members of the first group to the first version of the shared file.

Claim 31 (Original): The method of claim 30 in which the direct object reference is automatically created by removing the first private symbolic link.

Claim 32 (Currently Amended): A computer implemented system ~~comprising a processor~~ for performing a rolling upgrade in a computing system in which multiple members execute a computer application based at least in part upon a first version of a shared file, comprising:

a processor [[means]] for:

creating ~~and storing~~ a second version of the shared file;

~~means for~~ bringing down a first member, wherein a second member is not brought down while the first member is down~~, wherein the first member and the second member are located on a same node of the computing system~~;

~~means for creating~~ generating a private symbolic link for the first member to reference the second version of the shared file~~, wherein the means for creating comprises the processor~~, the private symbolic link comprising link criteria that designates that the first member of a group is authorized to use the private symbolic link such that the private symbolic link does not provide a universally visible

symbolic link so that the private symbolic link is not visible to the second member of the group, wherein the first member and second member access different versions of the shared file based at least in part upon the private symbolic link during ~~is used to perform~~ the rolling upgrade in the computing system; and

~~means for~~ bringing up the first member so that the first member references the second version of the shared file~~, wherein the first and second members are upgraded in a staggered manner~~; and

a volatile or non-volatile computer usable medium for storing the private symbolic link or a display device for displaying the private symbolic link.

Claim 33 (Currently Amended): A computer program product comprising a volatile and non-volatile computer usable medium having executable code to execute a process by using a processor for performing a rolling upgrade in a computing system in which multiple members execute a computer application based at least in part upon a first version of a shared file, the process comprising:

creating a second version of the shared file;

bringing down a first member, wherein a second member is not brought down while the first member is down~~, wherein the first member and the second member are located on a same node of the computing system~~;

generating ~~creating~~ a private symbolic link for the first member to reference the second version of the shared file, the private symbolic link comprising link criteria that designates that the first member of a group is authorized to use the private symbolic link such that the private symbolic link does not provide a universally visible symbolic link so that the

private symbolic link is not visible to the second member of the group, wherein the first member and second member access different versions of the shared file based at least in part upon the private symbolic link during ~~is used to perform~~ the rolling upgrade in the computing system; and

bringing up the first member so that the first member references the second version of the shared file~~, wherein the first and second members are upgraded in a staggered manner~~; and

storing the private symbolic link or displaying the private symbolic link on a display device.

Claim 34 (Currently Amended): A computer implemented system ~~comprising a processor~~ for redirecting a reference from an entity to one or more shared files, comprising:

using a processor [[means]] for:

creating a first version of a shared file;

~~means for~~ creating ~~and storing~~ a second version of a shared file;

~~means for~~ creating a first private symbolic link to reference the first version of the shared file, the first private symbolic link comprising link criteria that designates that members in a first group are authorized to use the first private symbolic link such that the first private symbolic link does not provide a universally visible symbolic link so that the first private symbolic link is not visible to members of a second group, wherein the members of the second group can not access the first version of the shared file by utilizing the first private symbolic link during ~~is used to perform~~ a

rolling upgrade in a computing system~~, wherein the authorized members in the first group are upgraded in a first staggered manner~~, and

~~means for~~ creating a second private symbolic link to reference the second version of the shared file, the second private symbolic link only applying to members of a second group associated with the second private symbolic link, wherein the second private symbolic link is used to perform the rolling upgrade in the computing system, wherein the authorized members in the second group are upgraded in a second staggered manner; and

a volatile or non-volatile computer usable medium for storing the first private symbolic link and/or the second private symbolic link or a display device for displaying the first private symbolic link and/or the second private symbolic link.

Claim 35 (Currently Amended): A computer program product comprising a volatile or non-volatile computer usable medium having executable code to execute a process by using a processor for redirecting a reference from an entity to one or more shared files, the process comprising:

creating a first version of a shared file;

creating a second version of a shared file;

creating a first private symbolic link to reference the first version of the shared file, the first private symbolic link comprising link criteria that designates that members in a first group are authorized to use the first private symbolic link such that the first private symbolic link does not provide a universally visible symbolic link so that the first private symbolic link is not visible to members of a second group, wherein the members of the second group can

not access the first version of the shared file by utilizing the first private symbolic link during ~~is used to perform~~ a rolling upgrade in a computing system~~, wherein the authorized members in the first group are upgraded in a first staggered manner, and~~;

creating a second private symbolic link to reference the second version of the shared file, the second private symbolic link only applying to the members of [[a]] the second group associated with the second private symbolic link such that the second private symbolic link does not provide the universally visible symbolic link so that the second private symbolic link is not visible to the members of the first group, wherein the members of the first group can not access the second version of the shared file by utilizing the second private symbolic link during ~~is used to perform~~ the rolling upgrade in the computing system~~, wherein the authorized members in the second group to be upgraded in a second staggered manner~~; and

storing the first private symbolic link and/or the second private symbolic link \ or displaying the first private symbolic link and/or the second private symbolic link on a display device.

Claim 36 (Previously Presented): The system of claim 32 in which the private symbolic link is private to a member.

Claim 37 (Previously Presented): The system of claim 32 in which the first member still executes the first version of the computer application concurrently with the second member executing the new version of the computer application.

Claim 38 (Previously Presented): The product of claim 33 in which the private symbolic link is private to a member.

Claim 39 (Previously Presented): The product of claim 33 in which the first member still executes the first version of the computer application concurrently with the second member executing the new version of the computer application.

Claim 40 (Previously Presented): The system of claim 34 in which the first and second versions of the shared file are web pages.

Claim 41 (Previously Presented): The system of claim 34 in which the first private symbolic link references a first private copy of the first version of the shared file and the second private symbolic link references a second private copy of the second version of the shared file.

Claim 42 (Previously Presented): The product of claim 35 in which the first and second versions of the shared file are web pages.

Claim 43 (Previously Presented): The product of claim 35 in which the first private symbolic link references a first private copy of the first version of the shared file and the second private symbolic link references a second private copy of the second version of the shared file.